

03050206-040

(*Four Hole Swamp*)

General Description

Watershed 03050206-040 is located in Orangeburg and Dorchester Counties and consists primarily of *Four Hole Swamp* and its tributaries from Cow Castle Creek to Dean Swamp. The watershed occupies 66,545 acres of the Lower Coastal Plain region of South Carolina. The predominant soil types consist of an association of the Goldsboro-Rains-Lynchburg-Hobcaw series. The erodibility of the soil (K) averages 0.17 and the slope of the terrain averages 1%, with a range of 0-2%. Land use/land cover in the watershed includes: 33.9% forested land, 33.4% forested wetland (swamp), 26.0% agricultural land, 3.9% barren land, 1.6% urban land, 0.7% water, and 0.5% nonforested wetland (marsh).

As a reach of Four Hole Swamp, this watershed accepts the drainage from all streams entering the swamp system upstream. This section of Four Hole Swamp also receives drainage from the Cow Castle Creek watershed, the Providence Swamp watershed, Target Swamp, Spring Branch, and Mill Branch. Further downstream Huttos Lake and Rowser Lake drain into Four Hole Swamp. Home Branch originates near the Town of Holly Hill and flows past the Town of Four Holes before entering the swamp. Mill Run and Dam Branch drain into the swamp at the base of the watershed. There are a total of 127.8 stream miles and 391.4 acres of lake waters in this watershed. Four Hole Swamp is classified FW* (site specific classification requires DO not less than 4.0 mg/l and pH between 5.0-8.5), and the remaining streams are classified FW.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
E-112	W/INT	FW*	FOUR HOLE SWAMP AT SC 453

Four Hole Swamp (E-112) - Aquatic life uses are not supported due to dissolved oxygen excursions. Recreational uses are fully supported.

NPDES Program

Active NPDES Facilities

RECEIVING STREAM

FACILITY NAME

PERMITTED FLOW @ PIPE (MGD)

FOUR HOLE SWAMP

GIANT CEMENT COMPANY, INC.

PIPE #: 001 FLOW: 0.0073

PIPE #: 002 FLOW: 2.494

PIPE #: 004 FLOW: 0.140

PIPE #: 005 FLOW: M/R

FOUR HOLE SWAMP

GA PACIFIC/HOLLY HILL FIBERBOARD

PIPE #: 002 FLOW: 1.000

NPDES#

TYPE

COMMENT

SC0022667

MINOR INDUSTRIAL

SC0001147

MINOR INDUSTRIAL

HUTTOS LAKE
GIANT CEMENT COMPANY, INC.
PIPE #: 003 FLOW: 0.545

SC0022667
MINOR INDUSTRIAL

HOME BRANCH
HOLCIM (US) INC./HOLLY HILL PLT
PIPE #: 001 FLOW: 8.000
PIPE #: 001A FLOW: 0.002

SC0002992
MINOR INDUSTRIAL

Nonpoint Source Management Program

Land Disposal Activities

Landfill Facilities

LANDFILL NAME
FACILITY TYPE

PERMIT#
STATUS

GIANT CEMENT COMPANY, INC.
INDUSTRIAL

IWP-244

CITY OF HOLLY HILL
INDUSTRIAL

IWP-205 (381003-1201; CWP-042);
----- IWP-024

GA PACIFIC
INDUSTRIAL

383304-1601 (IWP-221; CWP-008)
ACTIVE

Land Application Sites

LAND APPLICATION SYSTEM
FACILITY NAME

ND#
TYPE

SPRAY IRRIGATION
CITY OF HOLLY HILL

ND0063380
DOMESTIC

Mining Activities

MINING COMPANY
MINE NAME

PERMIT #
MINERAL

GIANT CEMENT COMPANY, INC.
HARLEYVILLE MINE

0120-35
LIMESTONE

HOLNAM, INC.
MARL & CLAY QUARRY

0054-75
LIMESTONE

Growth Potential

Interstates 95 and 26 cross in this watershed and should promote some growth around the following interchanges: I-95 & I-26, I-95 & U.S. 178, and I-26 & S.C. 15; U.S. 176 crosses a rail line in the City of Holly Hill.